

WHAT IS CLAIMED IS:

- 1 1. A cable assembly for a dental video camera system with a
2 dental video camera with a camera cable and a camera
3 connector, a monitor with a monitor cable and a monitor
4 connector and a power supply with power supply cable and a
5 power supply connector, a said cable assembly comprising:
 - 6 a. an input housing;
 - 7 b. a first connector disposed in said input housing
8 whereby the camera cable is electrically coupled to
9 said first connector;
 - 10 c. a camera cable with a complement camera connector
11 whereby said the complement-camera connector
12 electrically couples the dental video camera through
13 the camera connector to said camera cable;
 - 14 d. an output housing with a complement-monitor
15 connector, a complement-power supply connector and a
16 complement-first connector whereby said complement-
17 monitor connector and said complement-power supply

1 connector are disposed in said output housing and said
2 complement camera connector electrically couples the
3 dental video camera through the camera connector to
4 the camera cable.
5

6 2. A cable assembly according to claim 1 wherein said
7 cable assembly includes:

- 8 a. a circuit module;
9 b. a second connector disposed in said circuit
10 module;
11 c. a complement-second connector disposed in said
12 circuit module; and
13 d. a frame grabber interface circuit disposed in said
14 circuit module wherein said frame grabber interface
15 circuit electrically couples the dental camera to the
16 monitor;

1 3. A cable assembly according to claim 2 wherein said cable
2 assembly includes a camera power supply circuit whereby said
3 camera power supply circuit electrically couples the dental
4 camera to the power supply.

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